BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF PROJECT : CONSTRUCTION OF COMPOUND WALL AND OTHER DEVELOPMENT WORKS TO DR||B.R.AMBEDKAR BHAVAN IN WARD NO.04 AT YELAHANKA

								Est.Cost.Rs.	20000000.00
Sl. No	Description of Item		No	L	B	D	QTY	Rate/Unit	Amount
1	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work B. In cement mortar. Pg No.136 Item No.18.23								
	Dismantling of Existing Compound Wall			1	61.00		2.00	122.00		
								122.00	**283.34**	**34567.08**
	Basic rate	244.00							**Sqm**	
	Area weightage 8%	19.52								
	Sub Total	**263.52**								
	Deduct 4% VAT	10.54								
	Sub Total	**252.98**								
	Add 12% GST	30.36								
	Total	**283.34**								
2	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications.Rubble stone masonry in cement mortar.Pg No.137 Item No.18.27								
	SSM for compound			1	61.00	0.45	0.60	36.60		
								36.60	**263.52**	**9644.83**
	Basic rate	244.00							**Cum**	
	Area weightage 8%	19.52								
	Total	**263.52**								
3	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. Pg No 5,Item No 2.4,								
	For Compound Wall			1	61.00	1.05	1.20	76.86		
								76.86	**305.64**	**23491.49**
	Basic rate	283.00							**Cum**	
	Area weightage 8%	22.64								
	Total	**305.64**								

Sl. No	Description of Item		No	L	B	D	QTY	Rate/Unit	Amount
4	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. Pg No 6,Item No 2.2								
	Site Cleaning(Nothern Side)		1	58.00	32.00	0.30	556.80		
	All Round Building (Back Side)		1	38.60	8.6+2.8/2	0.30	66.00		
	Southern Side		1	48.20	4.00	0.30	57.84		
	Western Side		1	29.00	4.00	0.30	34.80		
							715.44	**237.60**	**169988.54**
	Basic rate	220.00						**Cum**	
	Area weightage 8%	17.6							
	Total	**237.6**							
5	Providing laying spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by topper to site, laying in uniform layers with paver in sub - base / base course on well prepared surface and compacting with vibratory roller to achive the desired density complete as per specifications. Pg No 158,Item No 20.18								
	Site Cleaning(Nothern Side)		1	58.00	32.00	0.20	371.20		
	All Round Building (Back Side)		1	38.60	8.6+2.8/2	0.20	44.00		
	Southern Side		1	48.20	4.00	0.20	38.56		
	Western Side		1	29.00	4.00	0.20	23.20		
							476.96	**1801.44**	**859214.82**
	Basic rate	1668.00						**Cum**	
	Area weightage 8%	133.44							
	Total	**1801.44**							
6	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Pg No.12 Item No 4.2								
	For Compound Wall		1	61.00	0.75	0.15	6.86		
	Site Cleaning(Nothern Side)		1	58.00	32.00	0.15	278.40		
	All Round Building (Back Side)		1	38.60	8.6+2.8/2	0.15	33.00		
	Southern Side		1	48.20	4.00	0.15	28.92		
	Western Side		1	29.00	4.00	0.15	17.40		
							364.58	**5449.68**	**1986857.96**
	Basic rate	5046.00						**Cum**	
	Area weightage 8%	403.68							
	Total	**5449.68**							

Sl. No	Description of Item		No	L	B	D	QTY	Rate/Unit	Amount
7	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at two m.apart in each course including cost of materials, labour, curing completeas per specifications Pg No 23 item No 5.6								
	SSM For Compound Wall		1	61.00	0.60	0.75	27.45		
							27.45	**4521.96**	**124127.80**
								Cum	
	Basic rate	4187.00							
	Area weightage 8%	334.96							
	Total	**4521.96**							
8	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6,edges of stone chistei dressed in courses not less than 15 cms high, bond stones at two m.apart in each course including cost of materials, labour, curing completeas per specifications. Pg No 23 item No 5.9								
	SSM For Compound Wall		1	61.00	0.45	0.60	**16.47**		
	Deduction								
	Big Gates		2	4.00	0.45	0.60	2.16		
	Small Gates		2	1.20	0.45	0.60	0.65		
							2.81		
							13.66	**5405.40**	**73848.57**
	Basic rate	5005.00						**Cum**	
	Area weightage 8%	400.4							
	Total	**5405.4**							
9	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Pg No.12 Item No. 4.5 (Coping Concrete)								
	For Coping of Compound Wall		1	61.00	0.45	0.10	2.75		
							2.75	**5985.36**	**16429.81**
	Basic rate	5542.00						**Cum**	
	Area weightage 8%	443.36							
	Total	**5985.36**							
10	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. . Pg No 15,Item No 4.31								
	For coping concrete		2	61.00		0.10	12.20		
							12.20	**316.44**	**3860.57**
	Basic rate	293.00						**Sqm**	
	Area weightage 8%	23.44							
	Total	**316.44**							

Sl. No	Description of Item		No	L	B	D	QTY	Rate/Unit	Amount
11	Providing and fixing for flooring 20mm thick gang saw water cut sadarahalli grey granite in CM 1:4 proprtion, cut to required shape pattern with paper joints,finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealent,grooves in joints including cost of all materials, labour complete as per specificaiton.(Minium width of 1200mm) Pg No 109,Item No 14.61.1								
	Cladding of SSM Wall		2	61.00		0.60	73.20		
	Top Side of SSM		1	61.00	0.45		27.45		
							100.65	**2144.88**	**215882.17**
	Basic rate	1986.00						**Sqm**	
	Area weightage 8%	158.88							
	Total	**2144.88**							
12	Fabrication providing and erecting in position Hot dip galvanised Gate Using 72x72x48mm Sq Gl Pipe frame with top pipe bending in heavy duty hydralic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised Sq. road for verticles at 150mm c/c as shown in the drawing including providing hot dip galvanised forged ornamental design in between Sq.rods and heads at top, middle and bottom, intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanised flats. The Work is inclusive of throughing GI, flat Sq, rods, placing, welding all the joins including grinding, finishing metal patty, painting two coats enamel painiting. the rate is inclusive of all materials like GI Sq Pipe, GI forged designs etc., heavy duty hingers are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in- Charge opf the Work (DATA RATE copy is enclosed)								
	Big Gate		2	4.00		3.20	25.60		
	Small Gate		2	1.20		2.80	6.72		
							32.32	**12475.03**	**403192.97**
								Sqm	
13	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)								
	Grill Over SSW Wall		1	61.00		2.00	**122.00**		
	Deduct Gate Openings		2	4.00		2.00	16.00		
	Deduct Gate Openings		2	1.20		2.00	4.80		
							20.80		
							101.20	**9144.14**	**925386.97**
								Sqm	

Sl. No	Description of Item		No	L	B	D	QTY	Rate/Unit	Amount
14	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mmand down size graded granite metal coarse aggregates @0.47 cum with superplastisiser @3lts confirming toIS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thick ness) including attached plasters,columns,pillars,posts,struts.butters,string or lacing courses,parapets,coping,bed blocks,anchor blocks,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications Pg No. 13 Item								
	Site Cleaning(Nothern Side)		1	58.00	32.00	0.20	371.20		
	All Round Building (Back Side)		1	38.60	8.6+2.8/2	0.20	33.00		
	Southern Side		1	48.20	4.00	0.20	38.56		
	Western Side		1	29.00	4.00	0.20	23.20		
							465.96	**6876.36**	**3204108.71**
	Basic rate	6367.00						**Sqm**	
	Area weightage 8%	509.36							
	Total	**6876.36**							
15	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12. P.No. 32, I.No. 7.9								
	Windows		6	2.00		2.00	24.00		
					24.00	21.00	504.00	**84.24**	**42456.96**
	Basic rate	78.00						**Kg**	
	Area weightage 8%	6.24							
	Total	**84.24**							
16	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.7Smm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.2Smm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.2Smm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing S.Smm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenon ned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar. -do- using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality. as per the Directions of the Engineer-in-charge of the workP.No. 33, I.No. 7.11.2								
	Windows at 2nd Floor		6	2.00		2.00	24.00		
							24.00	**4515.48**	**108371.52**
	Basic rate	4181.00						**Sqm**	
	Area weightage 8%	334.48							
	Total	**4515.48**							

Sl. No	Description of Item		No	L	B	D	QTY	Rate/Unit	Amount
16	Providing and fixing M.S grill over existing compound wall as per using 16mm x16mm M.N.flat at horizontal and 6mm x 12mm M.S.flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. all the steel surface should be thoroughly cleaned of rust and painted with anti corrosive paint(shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification. Pg No.42 Item No.7.36								
	Top on Ramp Side Wall		1	46.00		1.20	55.20		
							55.20	**5641.92**	**311433.98**
	Basic rate	5224.00						**Sqm**	
	Area weightage 8%	417.92							
	Total	**5641.92**							
17	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Pg No.17 Item No.4.46.2								
	Parking Area								
	Flooring @ 60kgs/cum						394.40		
			Steel assumed 60 Kg/Cum of Concrete				23664.00		
							19.28	**43400.00**	**836752.00**
								MT	
	Basic rate	43400.00						Kg	
	Area weightage 8%	3472.00							
	Total	**46872.00**							
18	Providing and fixing Pre cast solid concrete kerb stones made out of CC1:2:4 and finished with CM 1:3 plastering and finishing curing etc., complete size 450x200x400mm .P.No. 25, I.No.5.29.1								
	Path way		1	61.00			61.00		
			2	58.00			116.00		
							177.00	Rmt	
	177/0.45 = 393				393.33		394.00	**393.12**	**154889.28**
	Basic rate	364.00						Nos	
	Area weightage 8%	29.12							
	Total	**393.12**							
19	Painting two coats after filling the surface with synthetic enamel paint in approved shades on plastered concrete surfaces, with materials, labour complete as per specification..P.No. 182, I.No.24.1								
	Painting to Kerb Stones		1	61.00		0.40	24.40		
			2	58.00		0.40	46.40		
							70.80	**64.80**	**4587.84**
	Basic rate	60.00						**Sqm**	
	Area weightage 8%	4.80							

Sl. No	Description of Item		No	L	B	D	QTY	Rate/Unit	Amount
	Total	**64.80**							
20	Providing applying two coats of wall putty to inside plasterd walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of materials, labour and scaffolding etc., complete as per specifications, page 126 item 15.106								
	2nd Floor Ceiling Surface		1	39.00	24.00		936.00		
	2nd Floor Wall Surface		2	39.00		3.60	280.80		
	2nd Floor Wall Surface		2	24.00		3.60	172.80		
	Beam Sides		18	24.00		0.60	259.20		
	Column Sides (Big)		10	2.80		2.90	81.20		
	Column Sides(Small)		7	1.70		2.90	34.51		
							1764.51		
	Deduction(Side Windows)		12	2.00		1.50	36.00		
	Back Windows		6	2.00		2.00	24.00		
	Front Windows		4	2.00		2.00	16.00		
							76.00		
							1688.51	**60.48**	**102121.08**
	Basic rate	56.00						**Sqm**	
	Area weightage 8%	4.48							
	Total	**60.48**							
21	Providing and applying painting in two coats with plastic emulsion paint of approved brand on **ceiling surface** to give an even approved shade after throughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour etc., complete as per specifications, page 117 item 15.51.3								
	Basement (Ceiling Surface)		1	39.00	24.00		936.00		
	2nd Floor (Ceiling Surface)		1	39.00	24.00		936.00		
							1872.00	**101.52**	**190045.44**
	Basic rate	94.00						**Sqm**	
	Area weightage 8%	7.52							
	Total	**101.52**							
22	Providing and applying painting in two coats with plastic emulsion paint of approved brand on **walls surface** to give an even approved shade after throughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour etc., complete as per specifications, page 117 item 15.51.1								
	Basement Wall Surface		2	39.00		3.60	280.80		
	2nd Floor Wall Surface		2	39.00		3.60	280.80		
	2nd Floor Wall Surface		2	24.00		3.60	172.80		
	Beam Sides		18	24.00		0.60	259.20		

Sl. No	Description of Item		No	L	B	D	QTY	Rate/Unit	Amount
	Column Sides (Big)		10	2.80		2.90	81.20		
	Column Sides(Small)		7	1.70		2.90	34.51		
							828.51		
	Deduction(Side Windows)		12	2.00		1.50	36.00		
	Back Windows		6	2.00		2.00	24.00		
	Front Windows		4	2.00		2.00	16.00		
							76.00		
							752.51	**97.20**	**73143.97**
	Basic rate	90.00						**Sqm**	
	Area weightage 8%	7.20							
	Total	**97.20**							
23	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil,grease,dirt and other foreign matter, including cost of materials, labour, complete as per specification, page 121 item								
	2nd Floor (Back Side Windows)		6	2.00		2.00	24.00		
	Top on Ramp Side Wall		1	46.00		1.20	55.20		
							79.20	**88.56**	**7013.95**
	Basic rate	82.00						**Sqm**	
	Area weightage 8%	6.56							
	Total	**88.56**							
24	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. as per the Directions of the Engineer-in-charge of the work page 107 item 14.45								
	2nd Floor Area		1	39.00	24.00		936.00		
	Skirting		1	166.00		0.10	16.60		
							952.60		
	deduction								
	Toilet area		2	7.40	5.00		**74.00**		
	Basic rate	1112.00					**878.60**	**1200.96**	**1055163.46**
	Area weightage 8%	88.96						**Sqm**	
	Total	**1200.96**							
25	Providing and fixing cement base precast, pre-polished cement concrete designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing using white cement, including cost of materials, including cutting, gridding the edge to half/full round wherever required, labour curing complete as per specification. P.109, I. No.14.62								
	In Front of Portico Area		1	40.00	5.00		200.00		
	Ramp Portion		1	39.00	7.00		273.00		
							473.00	**1171.80**	**554261.40**
	Basic rate	1085.00						**Sqm**	